

Title (en)
FIELD-DEPLOYABLE MULTIPLEXED SAMPLING AND MONITORING DEVICE AND BACTERIAL CONTAMINATION MEASUREMENT METHOD

Title (de)
IM FELD EINSETZBARE MULTIPLEXIERTE PROBENAHME- UND ÜBERWACHUNGSVORRICHTUNG UND VERFAHREN ZUR MESSUNG VON BAKTERIELLER KONTAMINATION

Title (fr)
DISPOSITIF D'ÉCHANTILLONNAGE ET DE SURVEILLANCE MULTIPLEXÉ DÉPLOYABLE SUR LE TERRAIN ET PROCÉDÉ DE MESURE DE LA CONTAMINATION BACTÉRIENNE

Publication
EP 3628999 B1 20220504 (EN)

Application
EP 19208984 A 20180301

Priority

- US 201762465232 P 20170301
- EP 18750260 A 20180301
- IB 2018000795 W 20180301

Abstract (en)
[origin: US2018251713A1] A system for processing samples from a body of fluid. The system includes one or more sample bottles for acquiring a sample from the body of fluid. Each sample bottle initially retains a pre-filling fluid. Each sample bottle includes a fluidic inlet port and a bottle outlet port. Each sample bottle has an inlet check valve coupled to the fluidic inlet port, the inlet check valve configured to allow fluid from the body of fluid into a sample bottle via the fluidic inlet port when the pressure difference between the body of fluid and fluid within the sample bottle reaches a threshold. The system further includes at least one pump, the bottle outlet port of each sample bottle selectively coupled to the at least one pump via a different control valve. The at least one pump is configured, in a first configuration, to remove prefilling fluid from each selected sample bottle such that, for each selected sample bottle, the pressure difference threshold is reached and a sample from the body of fluid is acquired.

IPC 8 full level
G01N 1/28 (2006.01); **C12M 1/24** (2006.01); **G01N 21/31** (2006.01); **G01N 21/64** (2006.01)

CPC (source: CN EP US)
C12M 1/08 (2013.01 - CN US); **C12M 1/24** (2013.01 - CN EP US); **C12M 1/26** (2013.01 - CN US); **C12M 1/34** (2013.01 - CN US); **C12M 1/38** (2013.01 - CN US); **C12M 23/08** (2013.01 - CN US); **C12M 33/06** (2013.01 - CN US); **C12M 33/07** (2013.01 - CN US); **C12M 33/12** (2013.01 - CN US); **G01N 1/28** (2013.01 - CN EP US); **G01N 21/3151** (2013.01 - CN EP US); **G01N 21/645** (2013.01 - CN EP US); **G01N 21/6486** (2013.01 - CN US); **G01N 21/83** (2013.01 - CN US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 11618870 B2 20230404; **US 2018251713 A1 20180906**; CN 110352344 A 20191018; CN 110352344 B 20220823; CN 115372091 A 20221122; EP 3589932 A2 20200108; EP 3589932 B1 20210505; EP 3628999 A1 20200401; EP 3628999 B1 20220504; ES 2924373 T3 20221006; US 2023227759 A1 20230720; WO 2018185566 A2 20181011; WO 2018185566 A3 20190321

DOCDB simple family (application)
US 201815909523 A 20180301; CN 201880015051 A 20180301; CN 202210928344 A 20180301; EP 18750260 A 20180301; EP 19208984 A 20180301; ES 19208984 T 20180301; IB 2018000795 W 20180301; US 202318189059 A 20230323